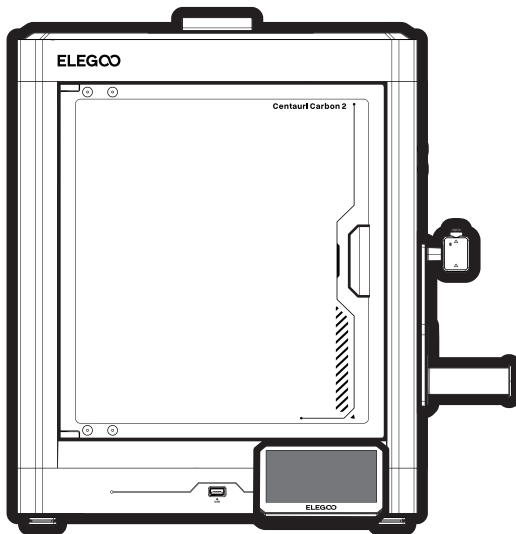


ELEGOO ▶▶ Create the Future **///**

Centauri Carbon 2



▶ **User Manual** **////**



Check the included USB flash drive for a step-by-step installation video.



V1.0

Thank you for choosing
▶▶▶ the ELEGOO Product!

ELEGOO

Upon receiving your product, please check that the device is in good condition and all accessories are included. If you encounter any issues during installation, operation, or maintenance, please contact the ELEGOO after-sales team through the official channels below for professional support.

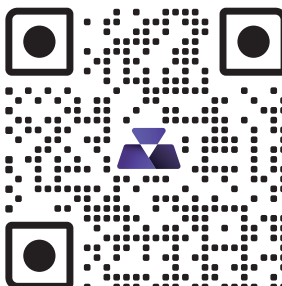
**VISIT OUR
OFFICIAL SUPPORT PAGE**



Scan the QR code for
one-on-one assistance

<https://www.elegoo.com/pages/contact-support>
(We recommend copying the link and opening it in your browser.)

**UNLOCK INFINITE
FREE MODELS**



Scan the QR code to explore Nexprint and
download free models for easy,
one-click printing.

<https://www.nexprint.com/?got=IN>

Note: To ensure optimal performance, each ELEGOO product undergoes rigorous printing tests before shipping. Minor surface scratches may be visible upon delivery; this is normal and will not affect functionality.)

Important Notes

- ▶ Do not place the printer in highly vibrating or unstable environment, as machine vibrations can affect print quality.
- ▶ Do not touch the nozzle or heated bed while the printer is in operation to avoid burns and personal injury from high temperatures.
- ▶ After printing, promptly utilize the residual heat in the nozzle to effectively clean the filament residue using a suitable tool. Avoid direct contact with the nozzle to prevent potential burns.
- ▶ We recommend using ELEGOO's slicing software to ensure the proper functioning of the machine and achieve optimal printing results.
- ▶ Perform regular maintenance on the printer by cleaning the machine body with a dry cloth to remove dust and any sticky filament residue. Ensure the printer is powered off before cleaning.
- ▶ Regularly inspect and clean the printer's cooling fans to prevent dust buildup, ensuring optimal performance and extended service life.
- ▶ Be cautious of the machine's high-speed moving parts to avoid any potential pinch hazards.
- ▶ The Z-axis of the machine utilizes lead screws for its moving parts. Apply lubricating oil as needed to ensure smooth movement.
- ▶ Children must be supervised by adults when using the machine to avoid personal injury.
- ▶ In case of an emergency, directly turn off the power.
- ▶ Ensure the machine is properly grounded for safe operation. Failure to properly ground or neglecting to ground the machine can increase the risk of electrical leakage.
- ▶ If the machine is not in use for an extended period, please turn off the power and unplug the power cord.

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▶ Printer Component Introduction	02
▶ Included Accessories	04
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Machine Specifications

Printing Specifications

Printing Technology : Fused Deposition Modeling (FDM)

Build Volume: 256 × 256 × 256 mm

Printing Accuracy: ± 0.1 mm

Included Nozzle Diameter: 0.4 mm

Printing Speed: ≤ 500 mm/s

Ambient Temperature: 5-40 °C

Electrical Requirements

Input Voltage: 100-240 VAC, 50/60 Hz

Rated Power: 1100 W@220 V / 350 W@110 V

Temperature Specifications

Max Nozzle Temperature: 350 °C

Max Heated Bed Temperature: 110 °C

Software Specifications

Slicer Software: ElegooSlicer (Recommended)

Input File Format: STL, OBJ, 3MF, STEP

Output File Format: G-code

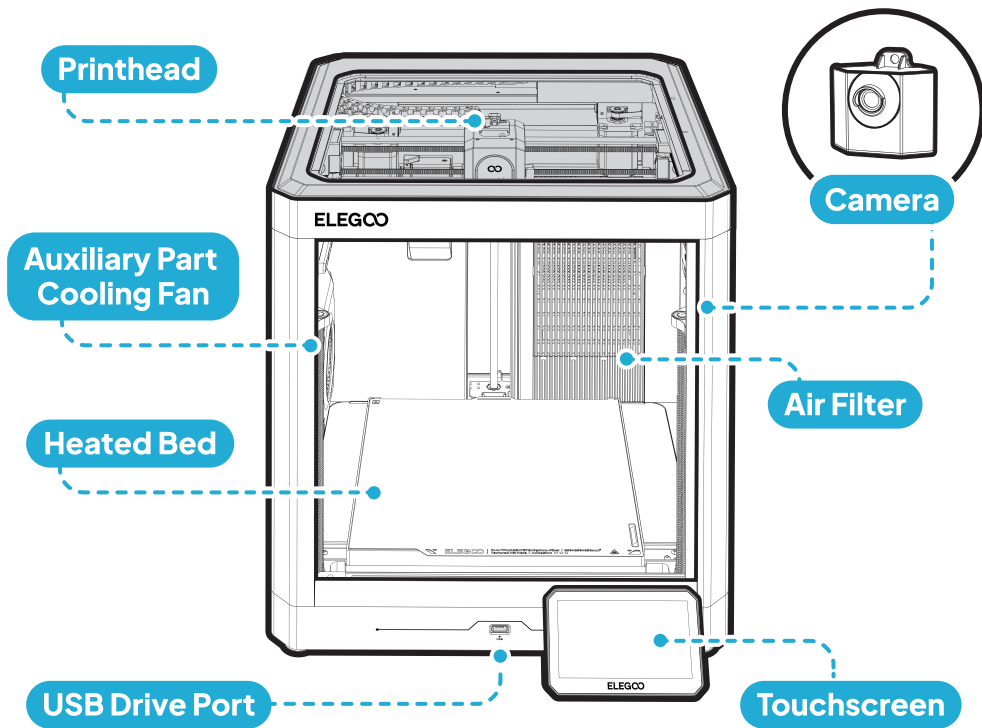
Connectivity: USB Flash Drive, Wi-Fi

Physical Specifications

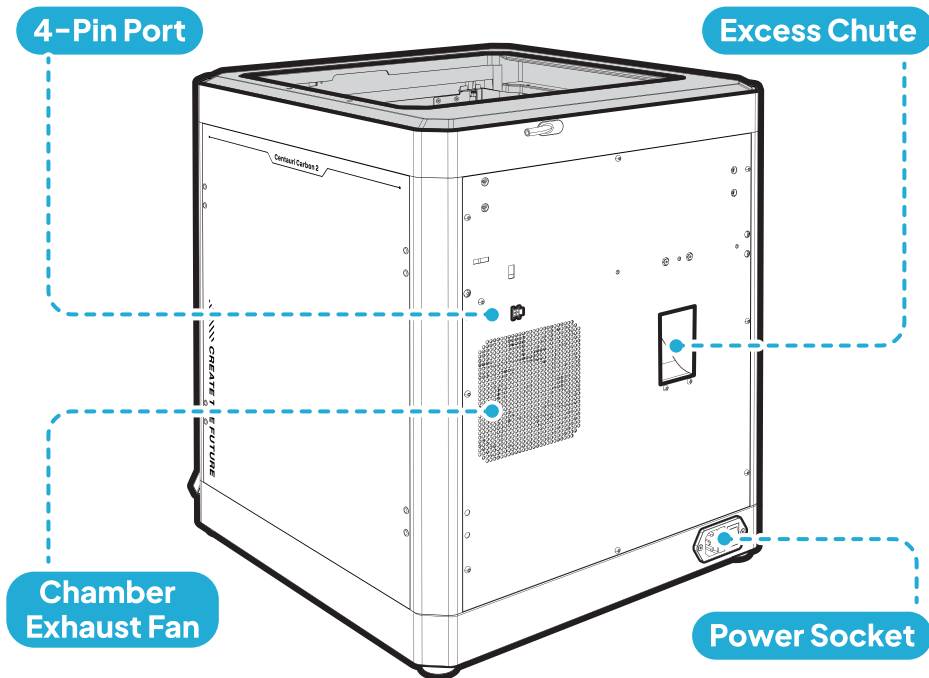
Machine Size: 398 × 404 × 490 mm

Net Weight: 17.65 kg

Printer Component Introduction



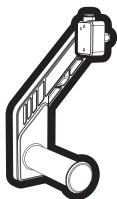
Printer Component Introduction



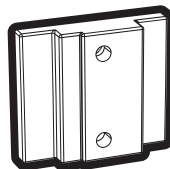
Included Accessories



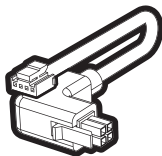
Touchscreen



Spool Holder Assembly



Spool Holder Mount



Filament Runout
Sensor Cable



Power Cord



User Manual

Tool Kit



Unclogging Pin



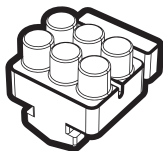
(1.5/2.0/2.5/3.0 mm)
Allen Key



Screwdriver



Filament Sample



Spare Nozzle Wiper



USB Flash Drive



Scraper Blade

■ Screws for Different Accessories ▶▶▶



PA3×10 (×2)
Scraper blade

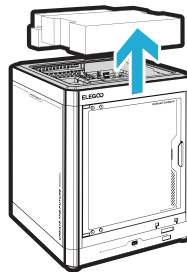


HM3×14 (×2)
Spool holder mount

Printer Installation

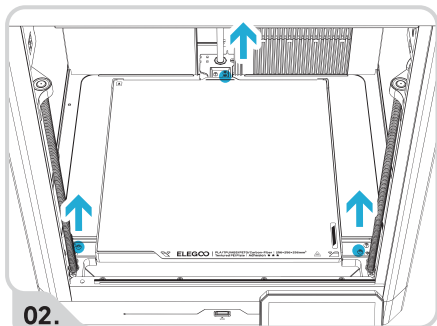


Scan the QR code
to watch the tutorial



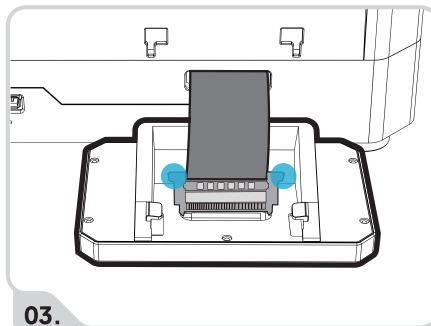
01.

Take out the foam, touchscreen, and toolbox from the printer.



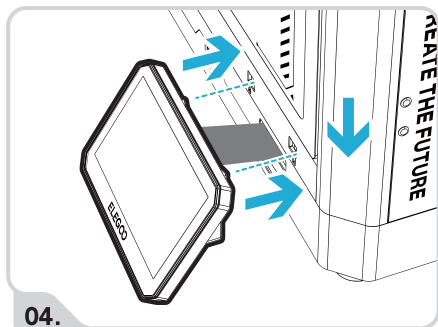
02.

Use the 2.5 mm Allen key to remove the 3 screws marked in blue to unlock the heated bed.

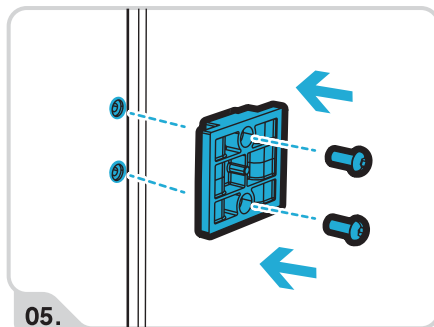


03.

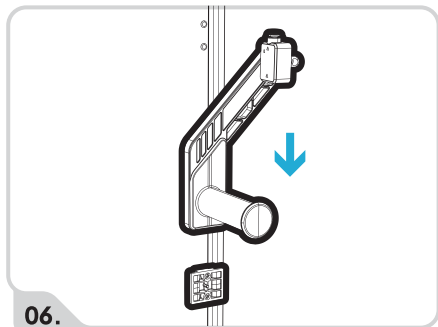
Insert the Flexible Printed Circuit (FPC) into the touchscreen port by pressing the terminal as pictured. Make sure the gold contacts face upwards for correct orientation.



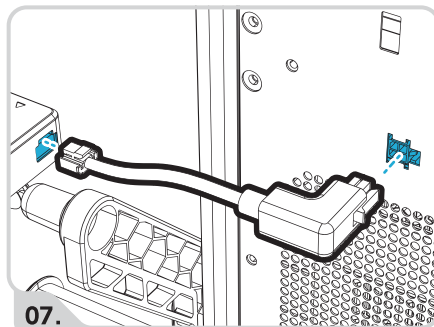
04. Insert the screen into the slot on the printer and press down to lock it in place.



05. Install the spool holder mount onto the machine's aluminum profile using two HM3×14 screws.

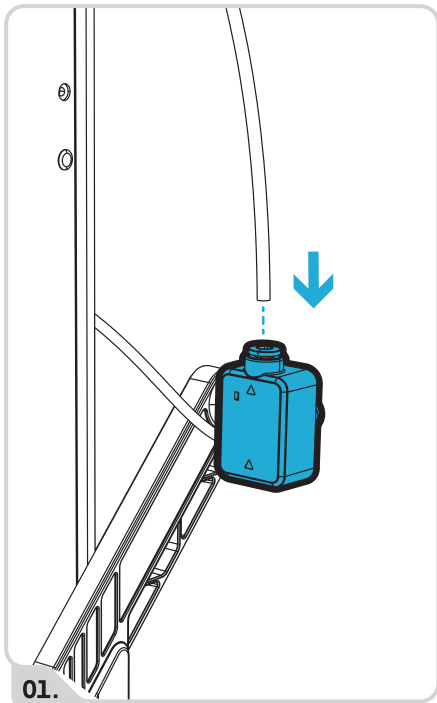


06. Align the slot on the spool holder with the mount and push down to lock it in place.

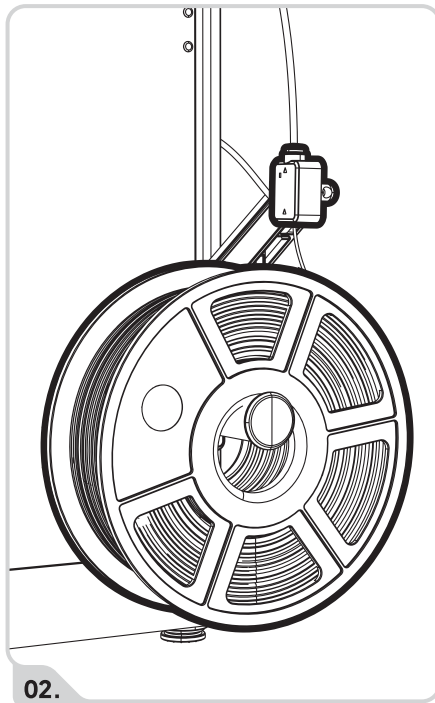


07. Connect the filament runout sensor cable: insert the angled connector into the rear port on the printer, and the straight connector into the sensor port.

Filament Loading

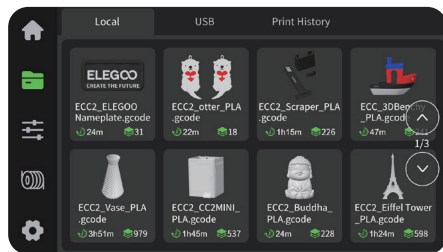


Insert the PTFE tube into the pneumatic fitting on the filament runout sensor.



Load the filament by inserting one end into the filament runout sensor and pushing it upward until it stops.

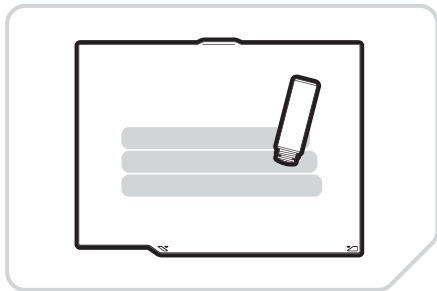
First Print



01.

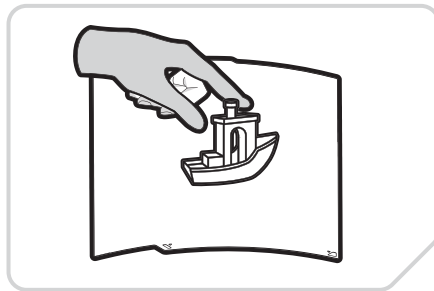
Go to 「」 > 「Local」 and select a model to start a test print.

Tip: Long-press files on the USB flash drive to import them to local storage.



02.

To maintain optimal adhesion, regularly clean the build plate with warm water and dish soap. For even better grip, you can also apply a bed adhesive.



03.

After the printed model has cooled, remove the flexible build plate with the model from the machine. Gently bend the plate to release the model.

Do not over-bend the plate to avoid permanent deformation.

ElegooSlicer

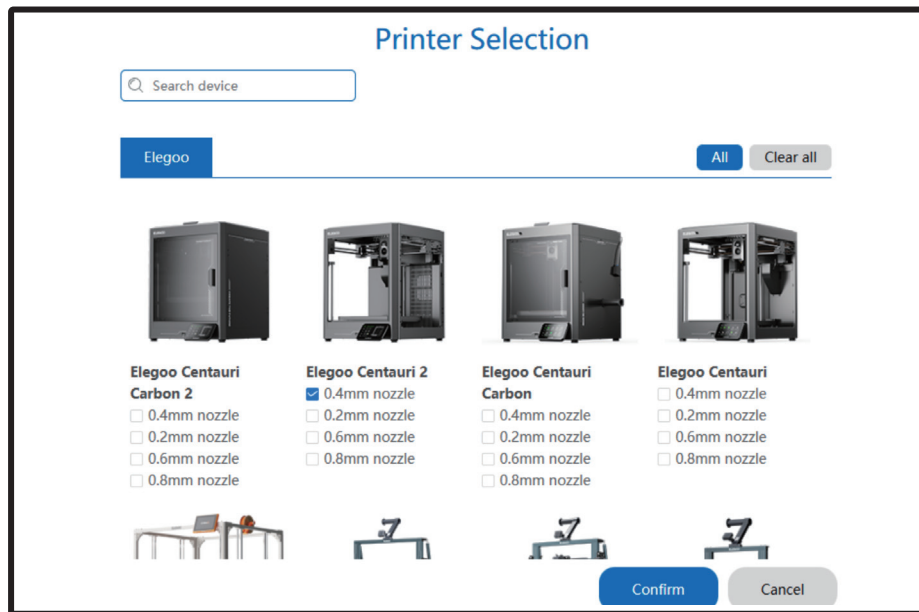
Install the ElegooSlicer software from the included USB flash drive. Select the appropriate installation package for your computer system.

*Update the software if prompted after installation.

*Installation packages: .exe (Windows), x86_64.dmg (Intel Mac), arm64.dmg (M-series Mac).

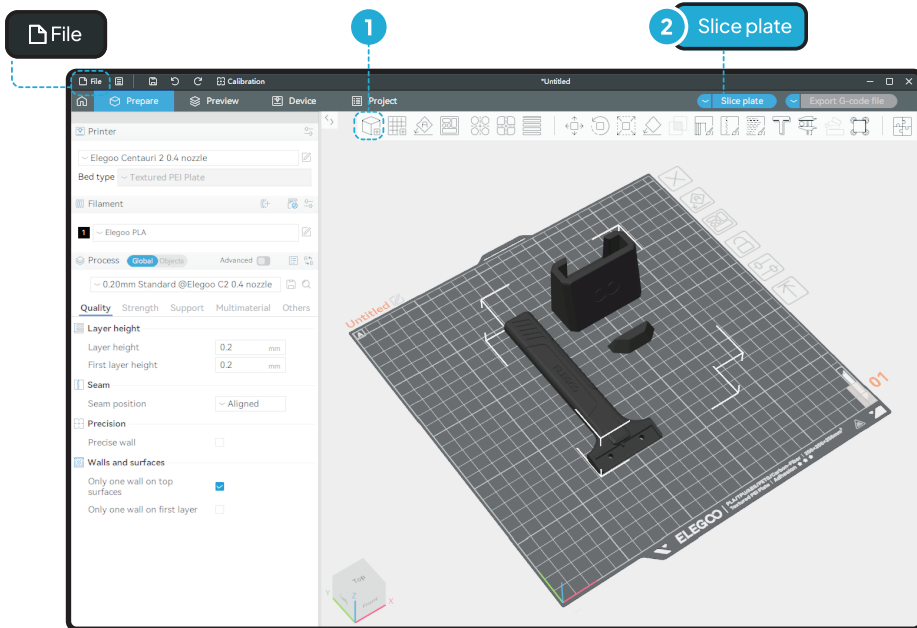
01.

After successful installation, follow the setup wizard to configure your printer and filament settings.



02. To slice a model:

1. Drag and drop the model file into the slicing software, or click "File" in the upper-left corner to import. For your first test print, we recommend using one of the sample files provided.
2. Click "Slice plate" and wait for the slicing process to complete.



After slicing is complete, click "Print" in the upper-right corner to send the task directly to the printer (ensure the printer is connected — see page 13 for details), or select "Export G-code file" to save the file to a USB flash drive for offline printing.

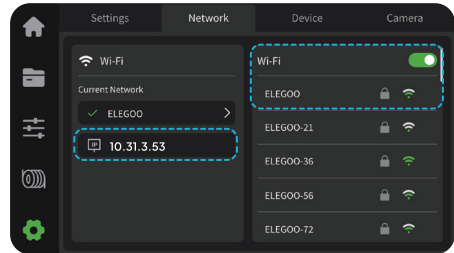
Export G- code file



LAN (Network) Printing

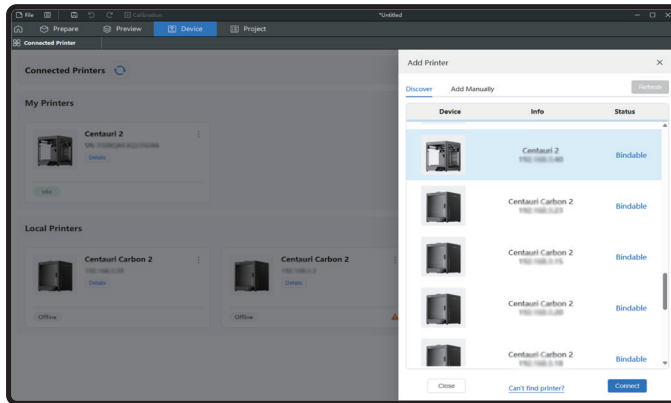
01.

To connect the device to Wi-Fi, go to the network settings. Once connected, the IP address will be displayed (as shown on the right).



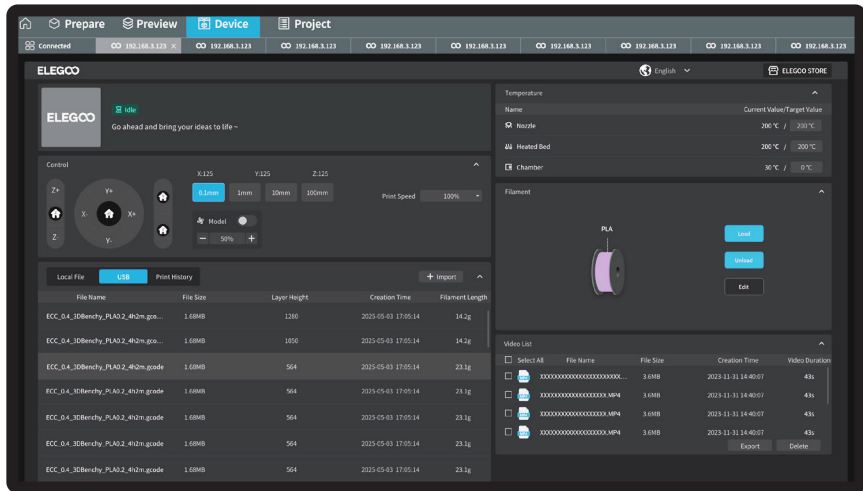
02.

Ensure your computer and printer are on the same local network. In ElegooSlicer, go to the Device page and click "Add Printer" in the top right corner. From the devices list, double-click the printer you want to connect, then click "Connect". Follow the on-screen prompts to complete the setup.



03.

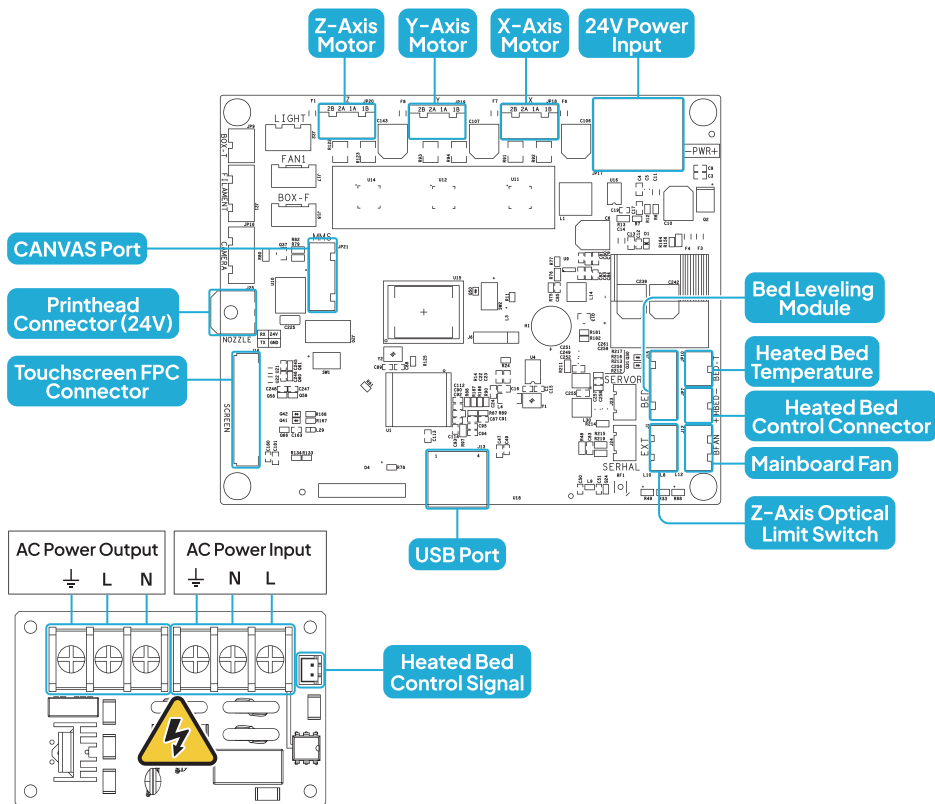
In ElegooSlicer, you can easily monitor the print progress, and start, pause, or stop prints as needed.



04.

For complete software instructions, please refer to the *ElegooSlicer User Manual* on the included USB flash drive.

Mainboard Connections



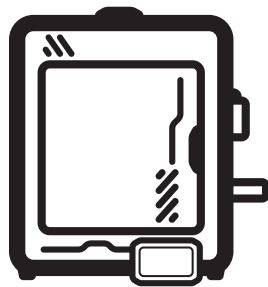
Warranty Statement

- ▶ ELEGOO printers are covered by a warranty starting from the date of receipt. Warranty periods may vary by component.

For details, please visit our Refund Policy page:
<https://www.elegoo.com/pages/refund-policy>.

- ▶ The warranty does not cover damage caused by self-disassembly, improper use, or normal wear and tear of the machine housing.

■ ELEGOO ▶▶



**HAPPY
PRINTING**

Create The Future ▶▶